

0590  
0416

OIEP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/062,831

DATE: 05/20/2002

TIME: 11:42:33

Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\05202002\J062831.raw

1 <110> APPLICANT: Steven M. Ruben, et al.  
 3 <120> TITLE OF INVENTION: 32 Human Secreted Proteins  
 5 <130> FILE REFERENCE: PZ006P1  
 7 <140> CURRENT APPLICATION NUMBER: 10/062,831  
 8 <141> CURRENT FILING DATE: 2002-02-05  
 10 <150> PRIOR APPLICATION NUMBER: 09/690,454  
 11 <151> PRIOR FILING DATE: 1998-11-10  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US98/10868  
 W--> 14 <151> PRIOR FILING DATE: May 28, 1998  
 16 <150> PRIOR APPLICATION NUMBER: 60/044,039  
 W--> 17 <151> PRIOR FILING DATE: May 30, 1997  
 19 <150> PRIOR APPLICATION NUMBER: 60/048,093  
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 22 <150> PRIOR APPLICATION NUMBER: 60/048,190  
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 25 <150> PRIOR APPLICATION NUMBER: 60/050,935  
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 28 <150> PRIOR APPLICATION NUMBER: 60/048,101  
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 31 <150> PRIOR APPLICATION NUMBER: 60/048,356  
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 34 <150> PRIOR APPLICATION NUMBER: 60/056,250  
 W--> 35 <151> PRIOR FILING DATE: August 29, 1997  
 37 <150> PRIOR APPLICATION NUMBER: 60/056,296  
 W--> 38 <151> PRIOR FILING DATE: August 29, 1997  
 40 <150> PRIOR APPLICATION NUMBER: 60/056,293  
 W--> 41 <151> PRIOR FILING DATE: August 29, 1997

ENTERED

43 <160> NUMBER OF SEQ ID NOS: 229  
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 49 <211> LENGTH: 733  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Homo sapiens  
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 56 tctcccgga tcttgaggtc acatgcgtgg tgggtggacg aagccacgaa gaccctgagg 180  
 57 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240  
 58 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300  
 59 ggctgaatgg caaggagtac aagtgcgaagg tctccaacaa agccctccca acccccatcg 360  
 60 agaaaacat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420  
 61 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480  
 62 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540

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Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\05202002\J062831.raw

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64 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc      660
65 acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc      720
66 gactctagag gat                                          733
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71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
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75 <221> NAME/KEY: Site
76 <222> LOCATION: (3)
77 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
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81 1 5
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110 gcccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat      180
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## RAW SEQUENCE LISTING

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144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
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149 ccattctcaat tag 73
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153 <211> LENGTH: 256
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 10
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159 caattagtcg gcaaccatag tcccgccctt aactccgccc atcccgcccc taactccgcc 120
160 cagttccgcc cattctccgc cccatggctg actaattttt ttattttatg cagaggccga 180
161 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
162 cttttgcaaa aagctt 256
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172 <222> LOCATION: (1151)
173 <223> OTHER INFORMATION: n equals a,t,g, or c
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176 <221> NAME/KEY: SITE
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178 <223> OTHER INFORMATION: n equals a,t,g, or c
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183 <223> OTHER INFORMATION: n equals a,t,g, or c
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187 gaggggttcg ggggttcttg gcaggcacia tggcgtctcg agcaggcccg cgagcggccg 120
188 rcaccgacgc agcgagcttt cagcaccggg agcgcgctcg catgcactac cagatgagtg 180
189 tgaccctcaa gtatgaaatc aagaagctga tctacgtaca tctggtcata tggctgctgc 240
190 tggttgctaa gatgagcgtg ggacacctga ggctcttgtc acatgatcag gtggccatgc 300
191 cctatcagtg ggaatacccg tatttgctga gcattttgcc ctctctcttg ggcttctct 360
192 cctttccccc caacaacatt agctacctgg tgctctccat gatcagcatg ggactctttt 420
193 ccatogetcc actcatttat ggcagcatgg agatgttccc tgctgcacag ccttctaccg 480

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Input Set : N:\Crif3\RULE60\10062831.txt

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196 ctcttggttc accagcacac aggagaagaa gcataaatga agcctctttg gggatgaagcc      660
197 tggacatccc atcgaatgaa aggacactag tacagcgggt ccaaaatccc ttctggtgat      720
198 tttagcagct gtgatgttgg tacctggtgc agaccaggc caaagtctct gaaagctcct      780
199 tttgccatct gctgaggtgg caaaactata atttattcct ggttggttag aactgggtga      840
200 ccaacagcta tgaacaaaat ttcagctggt tgaagttgaa ctttgaggtt tttctttaag      900
201 aatgagcttc gtccttgccct ctactcggtc attctcccca tttccatcca ttacccttta      960
202 gccattgaga ctaaaggaaa tagggaataa atcaaattac ttcactctta ggtcacgggt     1020
203 caggaaacat ttgggcagct gtcctcttgg cagctgtggt ctctctgca aagcatttta     1080
204 attaaaaacc tcaataaaga tgccctgccc aaaaaaaaaa aaaaaaaaaa aattcggggg     1140
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209 <211> LENGTH: 1310
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
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215 agtgaggagt tccgctgtgc ccgggcctgc accatgagcg tcccggcctt catcgacatc     120
216 agtgaagaag atcaggctgc tgagcttcgt gtttatctga aatctaaagg agctgagatt     180
217 tcagaagaga actcgggaag tggacttcac gttgatttag ctcaaattat tgaagcctgt     240
218 gatgtgtgtc tgaaggagga tgataaagat gttgaaagtg tgatgaacag tgtggtatcc     300
219 ctactcttga tcttgaacc agacaagcaa gaagctttga ttgaaagcct atgtgaaaag     360
220 ctggtcaaat ttcgcgaagg tgaacgcccg tctctgagac tgcagttggt aagcaacctt     420
221 ttcacaggga tggataagaa tactcctgta agatacacag tgtattgcag ccttattaaa     480
222 gtggcagcat cttgtggggc catccagtac atcccaactg agctggatca agttagaaaa     540
223 tggatttctg actggaatct caccactgaa aaaaagcaca cccttttaag actactttat     600
224 gaggcacttg tggattgtaa gaagagtgat gctgcttcaa aagtcattgg ggaattgctc     660
225 ggaagttaca cagaggacaa tgcttcccag gctcgagttg atgcccacag gtgtattgta     720
226 cgagcattga aagatccaaa tgcatttctt tttgaccacc ttcttacttt aaaaccagtc     780
227 aagtttttgg aaggcgagct tattcatgat cttttaacca tttttgtgag tgctaaattg     840
228 gcatcatatg tcaagtttta tcagaataat aaagacttca ttgattcact tggcctgtta     900
229 catgaacaga atatggcaaa aatgagacta cttactttta tgggaatggc agtagaaaa     960
230 aaggaaatth cttttgacac aatgcagcaa gaacttcaga ttggagctga tgatgttgaa     1020
231 gcatttggtt ttgacgcccg aagaactaaa atggtctact gcaaaattga tcagaccag     1080
232 agaaaagtag ttgtcagtc tagcacacat cggacatttg gaaaacagca gtggcaacaa     1140
233 ctgtatgaca cacttaaatgc ctggaaacaa aatctgaaca aagtgaaaaa cagccttttg     1200
234 agtctttctg atacctgagt ttttatgctt ataatttttg ttctttgaaa aaaaagccct     1260
235 aaatcatagt aaaacattat aaactaaaaa aaaaaaaaaa aaaaaaaaaa      1310
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239 <211> LENGTH: 1139
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
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244 <221> NAME/KEY: SITE
245 <222> LOCATION: (7)
246 <223> OTHER INFORMATION: n equals a,t,g, or c
248 <220> FEATURE:
249 <221> NAME/KEY: SITE

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PATENT APPLICATION: US/10/062,831

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Input Set : N:\Crif3\RULE60\10062831.txt

Output Set: N:\CRF3\05202002\J062831.raw

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259 <221> NAME/KEY: SITE
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263 <400> SEQUENCE: 13
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W--> 266 cattgcctgg gangaagtct gtcaacaaag tgacatgtct agtctgccgg aagggtgaca      180
267 atgatgagtt tcttctgctt tgtgatgggt gtraccgtgg ctgccacatt tactgccatc      240
268 gtcccaagat ggaggctgtc ccagaaggag attggttctg tactgtctgt ttggctcagc      300
269 aggtggaggg agaattcact cagaagcctg gtttcccaa gcgtggccag aagcggaana      360
270 gtggttattc gctgaacttc tcagagggtg atggccgccc acgcccggta ctggtgaggg      420
271 gccgagaaa cccagcagca gggcctcggg actcggaaga agggctctcc ccctccaagc      480
272 ggcggcgact ctctatgcgg aaccaccaca gtgatctcac attttgcgag attatcctga      540
273 tggagatgga gtcccatgat gcagcctggc ctttcctaga gcctgtgaac ccacgtttgg      600
274 tgagtgggta ccggcgcatc atcaaaaatc ctatggattt ttccaccatg cgggagcggc      660
275 tgctcagggg aggttacacc agctcagagg agtttgcggc tgatgccctc ctggtatttg      720
276 acaactgcc aactttcaac gaggatgact ctgaagtagg caaggctggg cacatcatgc      780
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278 gcaagggagg tggggagtca ccttgtggca tctccccca ccttccaaac aaaaacctgc      900
279 cattttcacc tgctgatgct gccctgggtc cagactcaag tcagatacaa ccctgatttt      960
W--> 280 tgaccttnc cttggcagtg cccacatcc tcttattcct acatcccttt ctcccttccc      1020
281 tctcttgcct cctcaagtaa gaggtgcaga gatgagggtc ttctggacta aaagccaaaa      1080
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293 ctccctgtca gacaagacc agctccacag cagggtggtg gactcgtcgc ggtgtctcat      180
294 gcagcagggc atcaaggccg gggacgcact ctgggtgcgc ttcaagtact acagcttctt      240
295 cgatttgat cccaagacag acccgtgcg gctgacacag ctgtatgagc aggcccggtg      300
296 ggacctgctg ctggaggaga ttgactgcac cgaggaggag atgatggtgt ttgccgccct      360
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298 cccagggtctg gacgacctgg atgtggccct gagcaacctg gaggtgaagc tggaggggtc      480
299 ggcgcccaca gatgtgctgg acagcctcac caccatccca gagctcaagg accatctccg      540
300 aatctttcgg ccccggaagc tgacctgaa gggctaccgc caacactggg tgggtttcaa      600
301 ggagaccaca ctgtcctact acaagagcca ggacgaggcc cctggggacc ccattcagca      660
302 gctcaacctc aagggctgtg aggtggttcc cgatgttaac gtctccggcc agaagttctg      720
303 cattaactc ctagtccct cccctgaggg catgagttag atctacctgc ggtgccagga      780
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RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : N:\Crf3\RULE60\10062831.txt  
Output Set: N:\CRF3\05202002\J062831.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3  
Seq#:11; N Pos. 1151,1160,1168  
Seq#:13; N Pos. 7,133,968,1139  
Seq#:15; N Pos. 22,591  
Seq#:17; N Pos. 979,1007,1040,1050  
Seq#:18; N Pos. 639,697,1347,1361  
Seq#:19; N Pos. 20  
Seq#:20; N Pos. 1267  
Seq#:22; N Pos. 1283  
Seq#:24; N Pos. 452,480  
Seq#:25; N Pos. 580,621,1159  
Seq#:26; N Pos. 847,1303,1307,1314  
Seq#:28; N Pos. 9,21  
Seq#:29; N Pos. 922  
Seq#:31; N Pos. 2,28,44  
Seq#:32; N Pos. 1057  
Seq#:33; N Pos. 855,881,916,957  
Seq#:34; N Pos. 1889  
Seq#:35; N Pos. 18,26,1014,1015,1018  
Seq#:37; N Pos. 8,586  
Seq#:38; N Pos. 395  
Seq#:40; N Pos. 597  
Seq#:41; N Pos. 37  
Seq#:43; N Pos. 1591,1703  
Seq#:47; Xaa Pos. 146  
Seq#:48; Xaa Pos. 312  
Seq#:51; Xaa Pos. 83  
Seq#:52; Xaa Pos. 63  
Seq#:53; Xaa Pos. 114,124  
Seq#:54; Xaa Pos. 8,27,84,85,86,99,180  
Seq#:55; Xaa Pos. 221,287  
Seq#:56; Xaa Pos. 34  
Seq#:57; Xaa Pos. 24  
Seq#:58; Xaa Pos. 47  
Seq#:59; Xaa Pos. 114  
Seq#:60; Xaa Pos. 26,32  
Seq#:61; Xaa Pos. 19,33,81  
Seq#:63; Xaa Pos. 146  
Seq#:64; Xaa Pos. 31  
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Seq#:76; Xaa Pos. 33  
Seq#:77; Xaa Pos. 6,23  
Seq#:78; Xaa Pos. 18,21,80,102  
Seq#:79; Xaa Pos. 148,186,208  
Seq#:80; Xaa Pos. 95,100,146  
Seq#:81; Xaa Pos. 23  
Seq#:82; Xaa Pos. 21,31  
Seq#:112; Xaa Pos. 82,83,123,194  
Seq#:116; Xaa Pos. 3,4  
Seq#:117; Xaa Pos. 14  
Seq#:119; Xaa Pos. 24  
Seq#:121; Xaa Pos. 7  
Seq#:135; Xaa Pos. 120,139  
Seq#:150; Xaa Pos. 123  
Seq#:153; Xaa Pos. 81  
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Seq#:155; Xaa Pos. 30,115  
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Seq#:161; Xaa Pos. 13  
Seq#:171; Xaa Pos. 88  
Seq#:173; Xaa Pos. 23  
Seq#:181; Xaa Pos. 30,31,32  
Seq#:182; Xaa Pos. 16,23,25,26,27  
Seq#:190; Xaa Pos. 18,29  
Seq#:196; Xaa Pos. 85,97,157  
Seq#:201; Xaa Pos. 13,18,39  
Seq#:202; Xaa Pos. 16  
Seq#:220; Xaa Pos. 72  
Seq#:221; Xaa Pos. 39  
Seq#:222; Xaa Pos. 62,84,143,152  
Seq#:223; Xaa Pos. 74,92

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/062,831

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Output Set: N:\CRF3\05202002\J062831.raw

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L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
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L:32 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
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L:41 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:1140  
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:120  
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:960  
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1080  
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:540  
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:960  
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:1020  
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:600  
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:660  
L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:1320  
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:1260  
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:1260  
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:420  
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:540  
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:600  
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:1140  
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:840  
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1260  
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:900  
L:979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:1021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:1020  
L:1068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:840  
L:1069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:900  
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1860  
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:1165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:960  
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:540  
L:1242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:360  
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:540  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:1560  
L:1395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:1680



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/062,831

DATE: 05/20/2002

TIME: 11:42:34

Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\05202002\J062831.raw

L:1540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:144  
L:1612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:304  
L:1761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:80  
L:1785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:48  
L:1826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:112  
L:1871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0  
L:1874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:16  
L:1886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:80  
L:1889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:96  
L:1904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:176  
L:1963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:208  
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:272